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PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 1103326-0799
INTERNATIONAL APPLICATION NO. PCT/SE2004/000861	INTERNATIONAL FILING DATE 03 June 2004	U.S. APPLICATION NO. 10/559419 TBA
TITLE OF INVENTION METHOD FOR DIAGNOSING INFLAMMATORY BOWEL DISEASE		
APPLICANT(S) FOR DO/EO/US CORNELIUSSEN, Brit; SCHREIBER, Stefan; and STOLL, Monika		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 3).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))		
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).		
a. <input type="checkbox"/> is attached hereto.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau),		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input checked="" type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4))		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern documents or information included:		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input checked="" type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter .		
17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13 ter .2 and 37 CFR 1.821- 1.825.		
18. <input checked="" type="checkbox"/> second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/559415</div>		INTERNATIONAL APPLICATION NO. PCT/SE2004/000861		ATTORNEY'S DOCKET NUMBER 1103326-0799	
20. Other items or information: A translation of the International application into the English language [35 U.S.C. 371(c)(2)] is not required as the application was filed in English. Also submitted herewith: A copy of the International Search Report, with a mail date of September 28, 2004; Preliminary Amendment including a Substitute written (paper) copy of the Sequence Listing; Submission of a CRF (diskette) of Revised Sequence Listing including a Statement re Contents of the revised CRF and Substitute Paper Copy of the Sequence Listing; PCT Request form (PCT/RO/101); an executed Combined Declaration/Power of Attorney; and return postcard.					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21.	<input checked="" type="checkbox"/>	Basic national fee (37 CFR 1.492(a)).....	\$300	\$ 300.00	
22.	<input checked="" type="checkbox"/>	Examination fee (37 CFR 1.492(c))			
If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....				\$ 200.00	
All other situations				\$200	
23.	<input checked="" type="checkbox"/>	Search fee (37 CFR 1.492(b))			
If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$0	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority				\$100	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the USA by the IB				\$400	
All other situations.....				\$500	
TOTAL OF 21, 22 and 23 =				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 37 CFR 1.492(j)) The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
-100 =	/50 =	1	x \$250	\$ 250	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	10 -20 =	0	x \$50	\$	
Independent claims	9 -3 =	6	x \$200	\$ 1,200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			0 + \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 2,350.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 2,350.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
TOTAL FEES ENCLOSED =				\$	
				Amount to be refunded:	\$
				Amount to be charged:	\$ 2,390.00

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 23-1703 in the amount of \$2390.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1703. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:
Customer No. 007470



SIGNATURE

Richard J. Sterner

NAME

35,372

REGISTRATION NUMBER

10/559415

1103326-0799

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED OFFICE (DO/US)

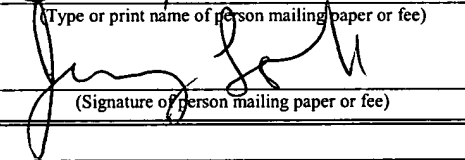
<u>PCT/SE2004/000861</u>	<u>03 June 2004</u>	<u>06 June 2003 and 26 Nov. 2003</u>
International Application Number	International Filing Date	Priority Date(s) Claimed

METHOD FOR DIAGNOSING INFLAMMATORY BOWEL DISEASE

Title of Invention

CORNELIUSSEN, Brit; SCHREIBER, Stefan; and STOLL, Monika

Applicant(s) for DO/US

"Express Mail" Label No. EV585054102US
Date of Deposit: December 6, 2005
I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
JERRY LESTER (Type or print name of person mailing paper or fee)
 (Signature of person mailing paper or fee)

MAIL STOP PCT
Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

To the United States Designated Office (DO/US):

- I. Accompanying this transmittal letter are certain items which are required under 35 U.S.C. 371 in order that United States National processing of the above identified International application may commence:
- () at the expiration of the applicable time limit under PCT Articles 22 and 39(1) according to the provisions of 35 U.S.C. 371(b).
 - (X) as soon as possible upon receipt of this express request under 35 U.S.C. 371(f).

10/559415

IAPI6 Rec'd 070770 06 DEC 2005

1. The U.S. National fee [35 U.S.C. 371(c)(1)]

a. () was previously transmitted by applicant on (date)_____.

b. (X) is submitted herewith as follows:

FOR	NO. FILED	NO. EXTRA	SMALL ENTITY		or	OTHER THAN SMALL ENTITY	
			RATE	FEE		RATE	FEE
Basic Fee				\$150			\$300
Search Fee				\$250			\$400
Examination Fee				\$100			\$200
Total Claims	10 - 20 =	--	x 50 =		or	x 100 =	\$
Ind. Claims	9 - 3 =	6	x 100 =		or	x 200 =	\$1200
() Multiple Dependent Claim Presented			+180		or	+ 360 =	
(X) For each additional 50 sheets that exceeds 100 sheets			\$125		or	+ 250 =	\$250
TOTAL NATIONAL FEE			\$_____		or	<u>\$2350</u>	

i. () Enclosed is a check for \$_____, to cover the basic filing fee and multiple dependent claim fee.

ii. (X) **Please charge** the basic filing fee, search fee, examination fee, excess independent claims fee (if applicable), excess total claims fee (if applicable), and multiple dependent claim fee (if applicable) to **Deposit Account No. 23-1703**.

iii. (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1703. A duplicate copy of this sheet is enclosed.

2. A copy of the published International application:

a. (X) is transmitted herewith.

b. () is not required as the application was filed with the United States

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Receiving Office.

- c. ☐ has been transmitted
- i. ☐ by the International Bureau. Date of mailing of the application (from form PCT/IB/308): _____. A copy of form PCT/IB/308 is enclosed.
- ii. ☐ by applicant on (date) _____.
3. A translation of the International application into the English language [35 U.S.C. 371(c)(2)]:
- a. ☐ is transmitted herewith.
- b. ☒ is not required as the application was filed in English.
- c. ☐ was previously transmitted by applicant on (date) _____.
4. Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]:
- a. ☐ are transmitted herewith - see attached _____ dated _____.
- b. ☐ have been transmitted :
- i. ☐ by the International Bureau. Date of mailing of the amendments (from form PCT/IB/308): _____.
- ii. ☐ by applicant by letter dated _____.
- c. ☒ have not been transmitted as
- i. ☐ no notification has been received that the International Searching Authority has received the Search Copy.
- ii. ☐ the Search Copy was received by the International Searching Authority but the Search Report has not yet issued. Date of receipt of Search Copy (from form PCT/ISA/202): _____.
- iii. ☒ applicant chose not to make amendments.
Date of mailing of Search Report (from form PCT/ISA/210) is 09/28/2004).

- iv. ☐ the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1.
- 5. A Translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)]:
 - a. ☐ is transmitted herewith – see
 - b. ☐ is not required as the amendments were made in the English language.
 - c. ☒ has not been transmitted for reasons indicated at point I.4.b. or c. above.
- 6. An original executed declaration for patent application of the inventors [35 U.S.C. 371(c)(4)] complying with 35 U.S.C. 115:
 - a. ☐ was previously submitted by applicant on (date)

 - b. ☒ is submitted herewith;
and such oath or declaration
 - i. ☐ is attached to the application.
 - ii. ☒ identifies the application and any amendments under PCT Article 19 which were transmitted as stated in points 1.2.b. or c. and 1.4. and states that they were reviewed by the inventor as required by 37 CFR 1.70.
 - c. ☐ will be submitted subsequently.

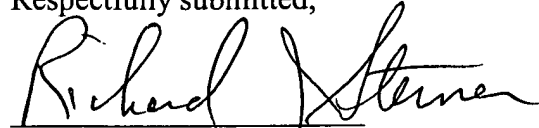
II. Concerning other documents:

- 1. An International Search Report or Declaration under PCT Article 17(2)(a):
 - a. ☐ has been transmitted by the International Bureau. Date of mailing (from form PCT/IB/308): _____ A copy of form PCT/IB/308 is enclosed
 - b. ☐ is not required as the application was searched by the United States International Searching Authority.
 - c. ☒ A copy of the International Search Report ("ISR") is transmitted herewith (PCT/ISA/210 - mailing date of 09/28/2004).

- d. () has been submitted by applicant on (date) _____.
2. A Statement of prior art under 37 CFR 1.97 and 1.98:
- a. (X) is transmitted herewith including form PTO-SB/08A. A copy of the PCT/ISA/210 is also attached.
- b. () will be transmitted within THREE MONTHS of the date of submission of requirements under 35 U.S.C. 371(c).
- c. () was previously submitted by applicant on _____, in application serial no. _____.
3. (X) An original executed Assignment is transmitted herewith for recording.
A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- a. (X) Please charge the \$40 assignment recordation fee to Deposit Account No. 23-1703.
- b. () Enclosed is a check in the amount of \$_____.
4. Other document(s) or information included:
- PTO-1390 – Transmittal Letter to the DO/EO/US Concerning a Submission Under 35 U.S.C. 371;
 - Copy of the PCT/RO/101 Request Form;
 - PCT/ISA/210 – dated 09/28/2004 as part of the WO 2004/109288 document;
 - Preliminary Amendment including a Substitute Written (paper) Sequence Listing (51 pages);
 - Submission of CRF (diskette) of Revised Sequence Listing including Statement regarding contents of the CRF and substitute paper copy of the Sequence Listing; and
 - Return postcard.

December 6, 2005

Respectfully submitted,



Richard J. Sterner
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(212) 819-8200